

CLAIMS:

1. A method of providing conditional access to an encrypted data stream with a stream receiving device (12), the method comprising
 - including encrypted content data, the decryption of which requires temporally changing control words (CW), in the data stream;
 - 5 - including first decryption control messages (ECM's) in the data stream, each first decryption control message (ECM) containing at least one of the control words that is required for decrypting content data that is substantially contemporaneous with the first decryption control message (ECM) in the stream;
 - including second decryption control messages (EMM's) which contain management
 - 10 information for entitling selected stream receiving devices to decrypt content data from the data stream using control words from the first decryption control messages (ECM's),
 - including further management information in at least part of the first decryption messages (ECM's);
 - extracting a control word from a first decryption message (ECM) from the stream in a
 - 15 stream receiving device (12),
 - together with said extracting, testing whether the first decryption message (ECM) contains further management information targeted at the stream receiving device (12),
 - indefinitely disabling subsequent decryption of at least part of the stream in the stream receiving device (12) upon said detection.
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2. A method according to Claim 1, wherein the stream receiving device (12) contains identification information that individually identifies the stream receiving device (12), said first decryption message (ECM) containing further identification information, said testing comprising comparing the identification information and the further identification
- 25 information.
3. A method according to Claim 1, wherein the first encryption message (ECM) contains information that specifies a condition upon entitlement data, said testing comprising searching for entitlement data stored in said stream receiving device (12) to detect whether

any of the searched entitlement data meets said condition, and performing the disabling if such entitlement data is found.

4. A method of generating an encrypted data stream, the method comprising
- 5 - including encrypted content data, the decryption of which requires temporally changing control words, in the data stream;
- including first decryption control messages (ECM's), which contain the control words, in the data stream;
- including second decryption control messages (EMM's) which contain management
- 10 information for entitling selected stream receiving devices to decrypt content data from the data stream using control words from the first decryption control messages (ECM),
- including further management information in at least part of the first decryption messages (ECM's), the further management information being arranged to target selected stream receiving devices (12) to indefinitely disable subsequent decryption of at least part of the
- 15 stream in the stream receiving device (12).

5. A method according to Claim 4, wherein the further management information targets the selected stream receiving devices (12) with identification information corresponding to individual identification information of selected stream receiving devices.
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6. A method according to Claim 4, wherein the further management information targets the selected stream receiving devices (12) with information that specifies a condition upon a content of entitlement data in said stream receiving devices.

- 25 7. A stream receiving device (12) for providing conditional access to an encrypted data stream, wherein the data stream comprises encrypted content data, the decryption of which requires temporally changing control words, the data stream further comprising first decryption control messages (ECM's), which each contain a control word, substantially contemporaneously with the content data that can be decrypted with that control
- 30 word, and second decryption control messages (EMM's) which contain management information for entitling the stream receiving device to decrypt content data from the data stream using control words from the first decryption control messages (ECM's), the stream receiving device comprising a circuit (124) arranged
- to extract a control word from a first decryption message from the stream, and,

- together with said extracting, to test whether the first encryption messages (ECM's) contain further management information targeted at the stream receiving device (12), the stream receiving device (12) indefinitely disabling subsequent decryption of at least part of the stream upon said detection.

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8. A stream receiving device according to Claim 7, wherein said testing whether the further management information is targeted at the stream receiving device comprises comparing identification information from the further management information with an identification of the stream receiving device.

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9. A stream receiving device according to Claim 7, wherein said testing whether the further management information is targeted at the stream receiving device comprises searching for entitlement data stored in said stream receiving device (12) that meets a condition specified in the further management information.

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10. A smart card for use in a stream receiving device according to Claim 7, the smart card comprising a processor (124) and an entitlement memory (126), the processor (124) being programmed to

- extract a control word from a first decryption control message (ECM) from the stream and
- 20 to supply the control word for use in decrypting content data;
- update the entitlement memory using information from a second decryption control message (EMM);
- together with said extracting, test whether the first encryption messages (ECM's) contain further management information targeted at the stream receiving device, and
- 25 - indefinitely disable subsequent supply of control words of at least part of the stream upon said detection.

11. A stream generating device for generating an encrypted data stream, the stream generating device comprising

- 30 - a source of content data, comprising an encryption unit for encrypting the content data so that temporally changing control words are required;
- a source of first decryption control messages, that generates first control word messages in the stream containing control words for decrypting the content data;

- a source of access management information, that generates first control word messages in the stream containing management information for entitling selected stream receiving devices to decrypt content data, the source of access management information being coupled to the source of first decryption control messages, the source of first decryption control messages
- 5 being arranged to include further management information in at least part of the first decryption messages, the further management information being arranged to target selected stream receiving devices to indefinitely disable subsequent decryption of at least part of the stream in the stream receiving device.